3.3 Collections and Loops

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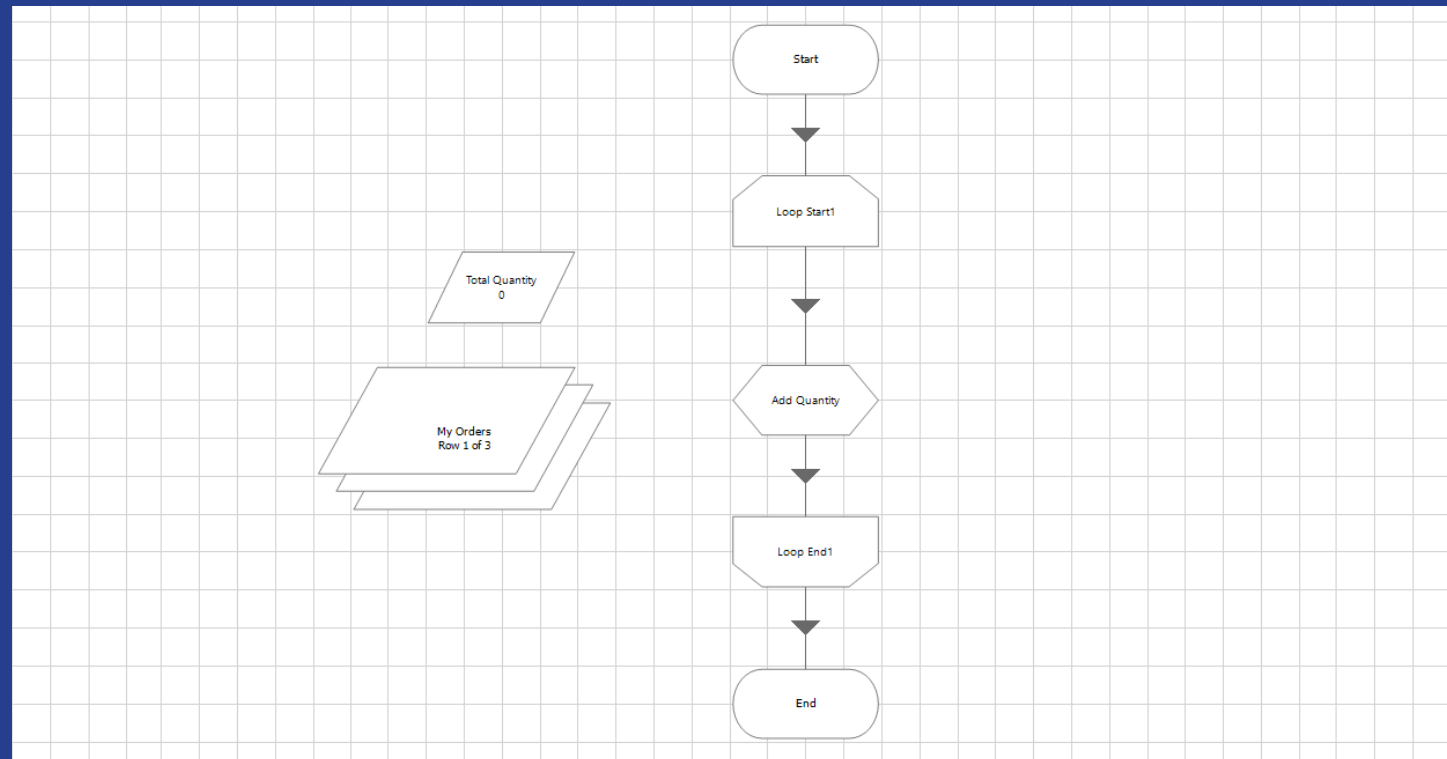## Collections and Loops

- There are occasions when Process Diagrams benefit from the ability to hold multiple values together, this can be achieved with a Collection Stage.

- The values stored within a Collection Stage are accessed one row at a time, using a Loop Stage to move forward through the rows.

- Collections are referenced in Expressions using dot notation - Collection name and Field name, separated by a full stop and placed between square brackets [Collection.Field].

- Loop Stages have two parts: Loop Start and Loop End.

A Process Diagram that uses Data Items and a Collection Stage.

A Collection Stage and a Loop Stage.

Loop Properties

Name:	Loop Start
Description:	

Collection

Specify the Collection to Loop.

Collection Properties

Name:	My Orders
Description:	

Fields | Initial Values | Current Values

Item ID (Text)	Quantity	Order Date
ABC-123	5	01/05/2018
DEF-456	2	03/05/2018
GHI-789	7	07/05/2018

Multiple values arranged in columns and rows.